| Ref<br>#  | Hits  | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|-----------|-------|--|---|---------------------|---------|------------------|
| 1         | 698   | (("HF" near2 (defect adj density))<br>or ("0.05 defects/cm.sup.2") or<br>(defect\$1 near3("cm.sup.2")))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON.     | 2005/12/11 23:04 |
| L2        | 59    | L1 and boat  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/12/11 23:04 |
| 13        | 58    | 2 and (silicon or (single adj<br>crystal) or (poly adj silicon))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/12/11 23:05 |
| L4        | 12    | ("5371037"   "5374564"  <br>"5773355"   "5863830"  <br>"5869387"   "6140210"  <br>"6171982"   "6238990"  <br>"6335269"   "6362076"  <br>"6372609"   "6413874").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2005/12/11 23:11 |
| L5        | 11    | ("4692994"   "5371037"  <br>"5374564"   "5773355"  <br>"5856229"   "5863830"  <br>"5869387"   "6171982"  <br>"6238990"   "6407367"  <br>"6413874").PN.             | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2005/12/11 23:13 |
| S1        | 34    | silicon adj boat   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR                  | OFF     | 2005/06/06 15:19 |
| <b>52</b> | - 34  | silicon adj boat   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR                  | OFF     | 2002/11/20 11:08 |
| <b>S3</b> | 60174 | silicon adj carbide  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR                  | OFF     | 2002/11/20 18:18 |
| <b>S4</b> | 92082 | cvd  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR                  | OFF     | 2002/11/20 18:18 |

| S5         | 2120    | (silicon adj carbide) same cvd   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2002/11/20 18:18 |
|------------|---------|--|---|----|------|------------------|
| S6         | 66246   | boat   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2002/11/20 18:18 |
| <b>S</b> 7 | 41      | ((silicon adj carbide) same cvd)<br>same boat                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2002/11/20 18:18 |
| <b>S8</b>  | 34      | silicon adj boat   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2002/11/21 19:44 |
| <b>S9</b>  | 1       | (((silicon adj carbide) same cvd)<br>same boat) and (silicon adj boat) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2002/11/20 18:43 |
| S10        | 74      | (((silicon adj carbide) same cvd)<br>same boat) or (silicon adj boat)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2002/11/20 18:43 |
| S11        | 14400   | soi  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2002/11/21 19:43 |
| S12        | 34      | silicon adj boat   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF. | 2002/11/21 19:44 |
| S13        | 1       | soi same (silicon adj boat)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2002/11/21 19:46 |
| S14        | 1146922 | semiconductor  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2002/11/21 19:50 |

| S15 | 5      | (silicon adj boat) same<br>semiconductor   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/11/21 19:46 |
|-----|--------|--|---|----|-----|------------------|
| S16 | 12     | semiconductor adj on adj<br>insulat\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/07 18:28 |
| S17 | 14562  | soi  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/12/02 11:04 |
| S18 | 508529 | transistor   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/12/02 11:04 |
| S19 | 3801   | soi same transistor  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/12/02 11:04 |
| S20 | 60532  | silicon adj carbide  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/12/02 11:04 |
| S21 | 10     | (soi same transistor) same (silicon adj carbide)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/07 18:28 |
| S22 | 15468  | soi or (silicon near2 insulator)   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2003/05/18 20:25 |
| S23 | 265    | silicon near2 boat   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2003/05/18 20:25 |
| S24 | 14     | (soi or (silicon near2 insulator))<br>and (silicon near2 boat)                         | US-PGPUB;<br>USPAT                                      | OR | ON  | 2003/05/18 20:26 |
| S25 | 13     | ((soi or (silicon near2 insulator))<br>and (silicon near2 boat)) and<br>@ad<"20020307" | US-PGPUB;<br>USPAT                                      | OR | ON  | 2003/05/18 20:27 |
| S26 | 1      | ("6468884").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | OFF | 2003/10/29 10:53 |

| S27  | 4619 | ((438/149) or (438/311) or (438/459) or (438/584) or (438/706) or (438/758) or (438/795) or (438/909) or (438/935)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/04/18 20:21 |
|------|------|---|---|----|-----|------------------|
| S28  | 405  | (silicon or ((single near2 crystal)<br>adj silicon) or (poly near2 silicon)<br>or (silicon near2 carbide)) near2<br>boat  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2003/11/07 14:33 |
| S29  | 20   | (((438/149) or (438/311) or (438/459) or (438/584) or (438/706) or (438/758) or (438/795) or (438/909) or (438/935)).CCLS.) and ((silicon or ((single near2 crystal) adj silicon) or (poly near2 silicon) or (silicon near2 carbide)) near2 boat) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2003/11/07 14:26 |
| \$30 | 100  | (silicon near2 carbide) near2 boat  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2003/11/07 18:29 |
| S31  | 8    | (((438/149) or (438/311) or<br>(438/459) or (438/584) or<br>(438/706) or (438/758) or<br>(438/795) or (438/909) or<br>(438/935)).CCLS.) and ((silicon<br>near2 carbide) near2 boat)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2003/11/07 14:33 |
| S32  | 0    | "6296709".URPN:   | USPAT   | OR | OFF | 2003/11/07 14:37 |
| S33  | 5    | ("4640223"   "4964378"  <br>"5001327"   "5029554"  <br>"6139642").PN.   | USPAT   | OR | OFF | 2003/11/07 14:37 |
| S34  | 7513 | (soi or(semiconductor adj on adj<br>insulat\$3)) near2 substrate  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2003/11/07 18:29 |
| S35  | 100  | (silicon near2 carbide) near2 boat  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2003/11/07 18:30 |
| S36  | 2    | ((soi or(semiconductor adj on adj<br>insulat\$3)) near2 substrate) same<br>((silicon near2 carbide) near2<br>boat)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2003/11/07 18:30 |

| S37 | 5041   | ((438/149) or (438/311) or (438/459) or (438/584) or (438/706) or (438/758) or (438/795) or (438/909) or (438/935)).CCLS.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/30 22:21 |
|-----|--------|---|---|----|-----|------------------|
| S38 | 37845  | (hold or holding) near portion  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/12/11 23:02 |
| S39 | 20782  | SOI or (silicon adj on adj insulator)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/04/18 20:23 |
| S40 | 23846  | reducing near atmosphere  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/04/18 20:23 |
| S41 | 805976 | hydrogen  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/04/18 20:23 |
| S42 | 2      | ((hold or holding) near portion)<br>same (SOI or (silicon adj on adj<br>insulator))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/04/18 20:24 |
| S43 | 96     | ((hold or holding) near portion)<br>and (SOI or (silicon adj on adj<br>insulator))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/04/18 20:24 |
| S44 | 1      | (((hold or holding) near portion)<br>and (SOI or (silicon adj on adj<br>insulator))) and (reducing near<br>atmosphere)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/04/18 20:24 |
| S45 | 1      | ((((hold or holding) near portion)<br>and (SOI or (silicon adj on adj<br>insulator))) and (reducing near<br>atmosphere)) and hydrogen | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/04/18 20:24 |
| S46 | 5645   | ((438/149) or (438/311) or<br>(438/459) or (438/584) or<br>(438/706) or (438/758) or<br>(438/795) or (438/909) or<br>(438/935)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/30 22:21 |

| S47 | 408   | silicon near2 boat  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/10/30 22:22 |
|-----|-------|---|---|----|-----|------------------|
| S48 | 21    | (((438/149) or (438/311) or<br>(438/459) or (438/584) or<br>(438/706) or (438/758) or<br>(438/795) or (438/909) or<br>(438/935)):CCLS:) and (silicon<br>near2 boat)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/10/30 22:26 |
| S49 | 16    | ((((438/149) or (438/311) or (438/459) or (438/584) or (438/706) or (438/758) or (438/795) or (438/909) or (438/935)).CCLS.) and (silicon near2 boat)) and hydrogen                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/10/30 22:30 |
| S50 | 1     | (((((438/149) or (438/311) or (438/459) or (438/584) or (438/706) or (438/758) or (438/795) or (438/909) or (438/935)).CCLS.) and (silicon near2 boat)) and hydrogen) and (hold\$3 near2 portion) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/10/30 22:30 |
| S51 | 1     | ("5378912").PN.   | USPAT;<br>USOCR   | OR | OFF | 2004/10/30 22:32 |
| S52 | 14821 | soi or (silicon near2 insulator)  | US-PGPUB;<br>USPAT  | OR | OFF | 2003/05/18 20:25 |
| S53 | 2275  | ((438/149) or (438/311) or (438/584) or (438/758) or (438/909) or (438/935)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/07 14:15 |
| S54 | 3354  | ((438/149) or (438/311) or<br>(438/459) or (438/584) or<br>(438/758) or (438/795) or<br>(438/909) or (438/935)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOGR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/06 11:01 |
| S55 | 4803  | ((438/149) or (438/311) or<br>(438/459) or (438/584) or<br>(438/758) or (438/795) or<br>(438/909) or (438/935)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/11 21:26 |
| S56 | 0     | S55 and ((sic or (silicon adj<br>carbide)) same ((cvd or chemical<br>adj vapor adj deposition) same<br>(no near2 sinter\$3)))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/06 12:16 |

| S57 | 7      | ((sic or (silicon adj carbide)) same<br>((cvd or chemical adj vapor adj<br>deposition) same (no near2<br>sinter\$3))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/06 11:11 |
|-----|--------|---|---|----|-----|------------------|
| S58 | 129    | boat same (sic or (silicon adj<br>carbide)) same (cvd or (chemical<br>adj vapor adj deposition))                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ÖR | ON  | 2005/06/06:12:15 |
| S59 | 1      | S58 and (no near2 sinter\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/06 11:13 |
| S60 | 318    | S55 and (tft or (thin near2 film))<br>same (soi or (silicon adj on adj<br>insulator\$1))                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/06 13:11 |
| S61 | 1      | ("6271101").PN.   | USPAT   | OR | OFF | 2005/06/06 12:52 |
| S62 | 5      | S58 and (soi or (silicon adj on adj<br>insulator\$1))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/06 13:12 |
| S63 | 101797 | (single adj crystal) or (poly adj<br>silicon) near2 boat  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/06/06 15:21 |
| S64 | 3482   | S63 same (soi or (silicon adj on adj insulator))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/06/06 15:21 |
| S65 | 44     | ((single adj crystal) or (poly adj<br>silicon)) near boat   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/06/06 15:22 |
| S66 | 0      | S65 same (soi or (silicon adj on adj insulator))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/06/06 15:21 |

| S67        | 0     | S65 and (soi or (silicon adj on adj insulator))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/06/06 15:21 |
|------------|-------|--|---|----|-----|------------------|
| S68        | 0     | S76 and ((hold\$3 near3 (portion or member\$1)) same boat)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/12/11 23:03 |
| S69        | 10873 | ((438/149) or (438/151) or (438/197) or (438/311) or (438/479) or (438/482) or (438/486) or (438/584) or (438/584) or (438/759) or (438/759) or (438/909) or (438/935) or (438/974)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/11 21:44 |
| S70        | 12    | S69 and (("HF" near2 (defect adj<br>density)) or ("not more than 0.05<br>defects"))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/11 21:49 |
| S71        | 17    | S69 and (("HF" near2 (defect adj density)) or ("0.05 defects/cm. sup.2"))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/11 21:52 |
| S72        | 10    | S71 and boat   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/11 21:52 |
| S73        | 74    | S69 and (("HF" near2 (defect adj density)) or ("0.05 defects/cm. sup.2") or (defect\$1 near3("cm. sup.2")))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/11 22:11 |
| <b>S74</b> | 14    | S73 and boat   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/11 21:54 |

| S75 | 698 | (("HF" near2 (defect adj density))<br>or ("0.05 defects/cm.sup.2") or<br>(defect\$1 near3("cm.sup.2"))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 23:01 |
|-----|-----|---|---|----|----|------------------|
| S76 | 59  | S75 and boat  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 23:04 |